

FIELD INSTALLABLE OPTICAL FIBER CONNECTOR

ABSTRACT OF THE DISCLOSURE

A field installable fiber optic connector includes a housing, a spring element seat and a ferrule holder that is inserted from the rearward end of the housing. A spring element inserted into the front of the housing abuts the spring element seat. A spring element retainer attached to the ferrule holder abuts the forward portion of the spring element to compress the spring element and bias the ferrule holder forward. An optical fiber stub disposed between opposed splice members in an aligning groove terminates intermediate the ends of the splice members. An optical fiber is inserted between the splice members and guided by the groove into abutment with the end of the optical fiber stub. A cam disposed about the ferrule holder is movable to facilitate insertion of the optical fiber and to clamp the optical fiber and the optical fiber stub between the splice members.